PHILIPS

OPERATING INSTRUCTIONS PHILIPS VR 157

Congratulations! You are now the owner of one of the most sophisticated and simple-to-use video recorders (VCR) on the market. With this VCR you can record and play VHS-standard cassettes.
Naturally, you can't wait to use it, but before you do, it's worthwhile taking the time to read through the whole of this operating manual. It will show you how to make the best use of your equipment.
You can practise using the video recorder without any worries because, no matter which buttons you press, you cannot damage it. Please also read the chapter about safety instructions.

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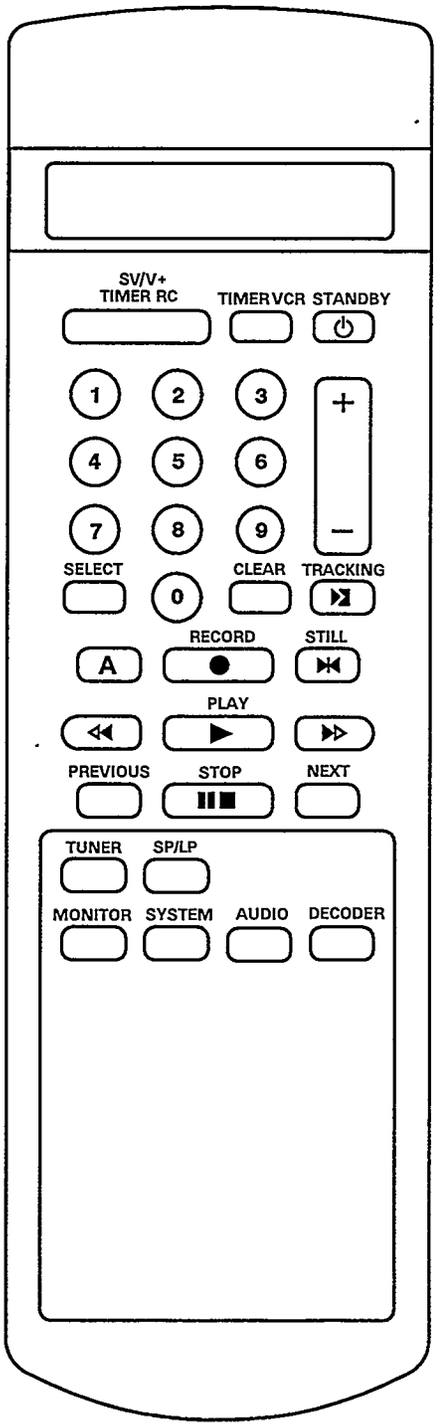
1. SUMMARY OF BUTTONS AND CONTROLS

Here is a list of the buttons, controls and sockets that you will use on the set and the remote control.
You will find detailed descriptions of the various functions in the relevant chapters.

The remote control



SV / V+ TIMER RC 'VIDEOplus+' or 'TIMER' programming

TIMER VCR TIMER programming on the video recorder

STANDBY ⏻ Standby switch

0-9 Digit buttons 0-9

+ Up/Plus, programme number

– Down/Minus, programme number

SELECT Function selector

CLEAR Reset/clear

TRACKING ⏭ Tracking

A Activate record button

RECORD ● Record (A and RECORD ● buttons simultaneously)

STILL ⏭ Still picture

◀◀ Rewind/Reverse scanning

PLAY ▶ Playback

▶▶ Wind/Forward scanning

STOP ⏸ ■ Stop

TUNER Tuner mode

SP/LP Tape speed selection (SP/LP)

MONITOR TV monitor function

Buttons that are not described in the list have **no** function.

Front of video recorder

STANDBY ⏻ Standby switch

STOP / EJECT ■ ▲ Stop/Cassette eject

PLAY ▶ Playback

◁◀ SPEED Rewind/Reverse scanning

SPEED ▶▷ Forward wind/Forward scanning

RECORD ● Record

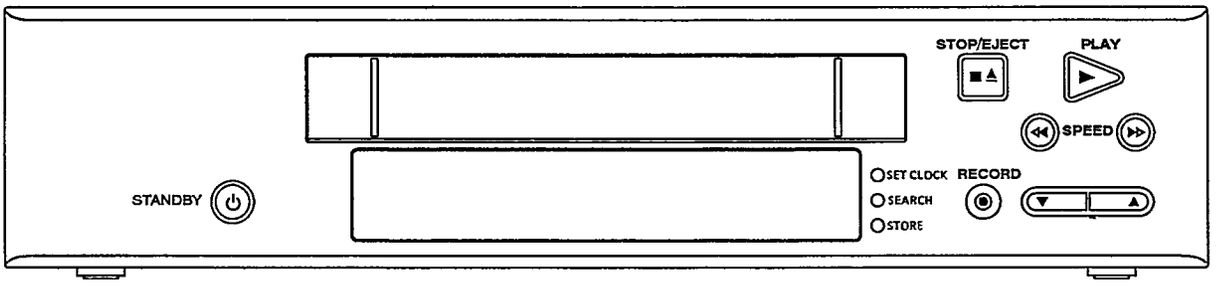
▼ Down/Minus, programme number

▲ Up/Plus, programme number

SET CLOCK Set clock

SEARCH Channel search

STORE Store TV channel



Back of video recorder

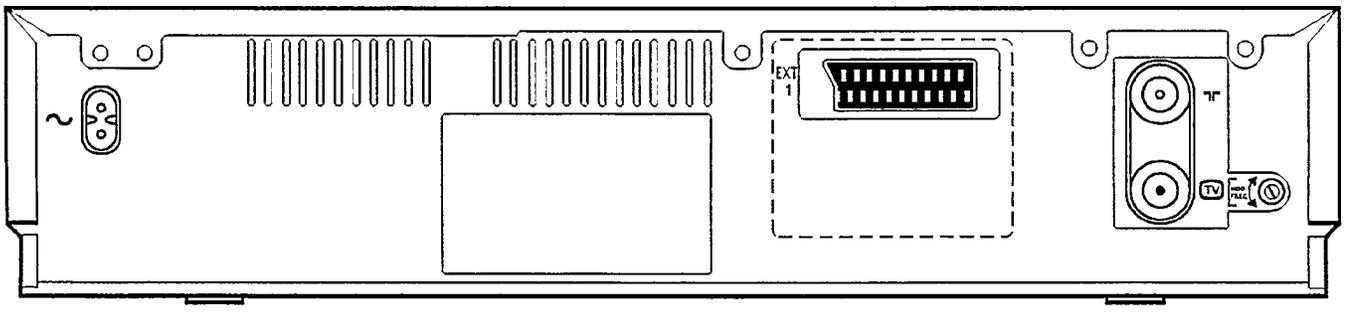
Aerial input socket

Aerial output socket

Mains socket

EXT 1 Scart (AV-Euro) socket

MOD. FREQ. Channel control



Important for the United Kingdom

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

❶ Remove fuse cover and fuse.

❷ Fix new fuse which should be a BS1362 3A, A.S.T.A. or BSI approved type.

❸ Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.
If the mains plug contains a fuse, this should have a value of 3A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Note: * The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

How to connect a plug:
The wires in the mains lead are coloured in accordance with the following code:
BLUE - "NEUTRAL" ("N")
BROWN - "LIVE" ("L")

❶ The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.

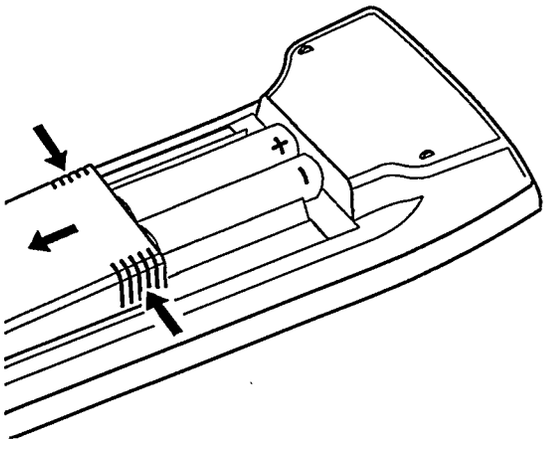
❷ The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.

❸ Do not connect either wires to the earth terminal in the plug which is marked with the letter "E" or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

2. INSTALLATION. HOW DO I INSTALL THE VIDEO RECORDER?

How to insert the batteries into the remote control



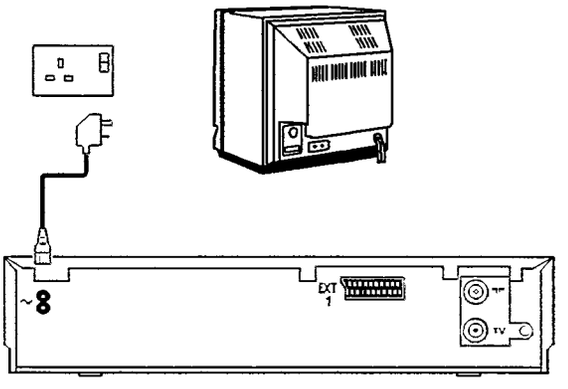
❶ Remove the cover from the back of the remote control. To do this, press the sides of the cover together and, simultaneously, slide it down.

❷ Insert the batteries as indicated into the battery compartment and close the cover.

Note:
* For the remote control to function properly, you must always point it directly at the set.

Connecting to the mains power supply

❶ Insert the female plug of the mains cable into the mains socket ⏦ at the back of the video recorder.



❷ Plug the other end of the mains cable into the wall socket.

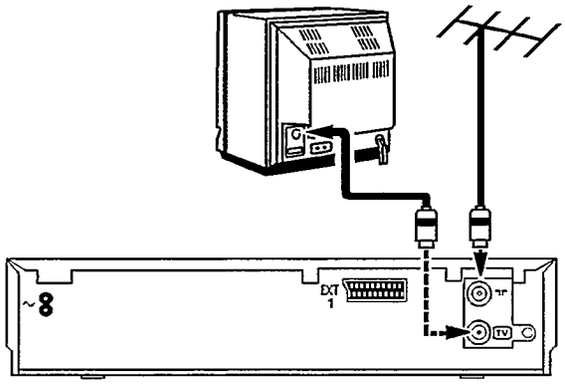
Some general notes for subsequent operation

- Keep your video recorder connected to the mains at all times to ensure that programmed recordings can be made and that the television functions. The power consumption required for this is very low.
- The video recorder switches on automatically as soon as you insert a cassette or press the STOP / EJECT ■ ▲ button.
- If the video recorder is not used for a few minutes it switches off automatically.
- If you switch the video recorder to standby using the STANDBY ⏻ button, the current time will appear in the display, e.g.: '20:00'. If the clock has not been set, the display will flash.

Connecting to the aerial

Your video recorder is actually a 'TV set without a screen'. Therefore, you must connect it to the aerial as well as to the TV set. Only then can you record TV programmes and play recorded cassettes.

❶ Remove the aerial cable plug from your TV set and insert it into the socket [ANT] at the back of the video recorder.



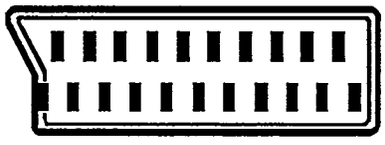
❷ Plug one end of the aerial cable provided into the [TV] socket on the video recorder and the other end into the aerial input socket on your TV set.

Both the TV set and the video recorder are now connected to the aerial.

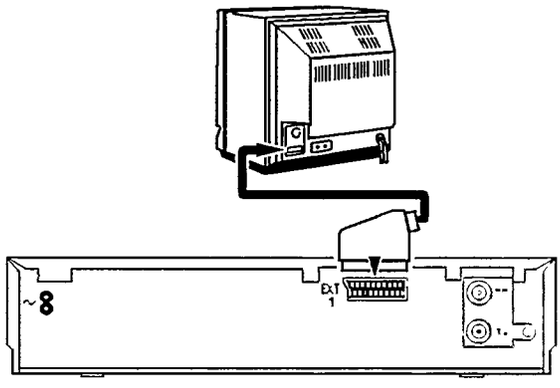
Connecting to the TV set

We recommend the use of a scart cable. This will give you the best picture quality.
You can get this cable from your dealer.

If your television **does not have a scart (AV-Euro) socket** or if you do not want to use a scart cable for the connection to your television, please **do not read further here** but turn to Chapter 7, 'Special functions and extras'. In the section 'Playback via the aerial cable' you will find further information.



❶ Insert the plug of a scart cable into the scart socket [EXT 1] at the back of your video recorder. Connect the other plug to the TV set.



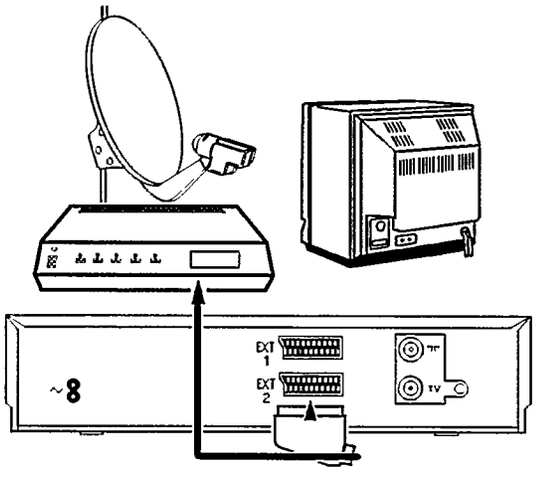
❷ With this cable connection, many televisions switch **automatically** to the 'EXT' (**EXT**ernal) or 'AV' (**A**udio/**V**ideo) programme number when a video cassette is played back.

With other televisions, for playback, you will have to select the 'EXT', '0', or 'AV' programme number on the TV set manually.
You will find instructions for this in the operation manual for your TV set.

Your video recorder is now **fully** connected to the TV set.

Connecting to a satellite receiver

If you wish to connect a satellite receiver via the scart socket, you can not connect your television set with a scart cable.
Read in chapter 'Special features' the section about 'Playback via the aerial cable'.



Emergency interrupt

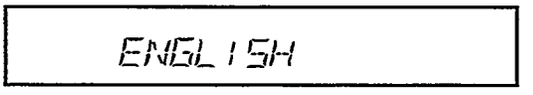
Both the set and the remote control have an 'Emergency interrupt' button. You can use the STANDBY ⏻ button to interrupt any function. Whenever you have operating problems you can simply interrupt the function and start again.
You can practise operating your set without any worries. No matter which buttons you press, you cannot damage it.

Setting the display language

You can select from eleven languages for the display on your video recorder.

❶ Ensure that there is no cassette in the cassette slot. With the video recorder in the standby mode, press the STOP / EJECT ■ ▲ and PLAY ▶ buttons simultaneously.

❷ Use the ▼ or ▲ button to select the required display language, e.g.: 'ENGLISH' .

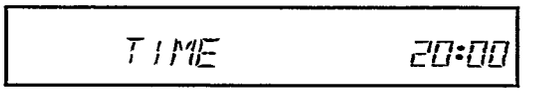


❸ Finally, press the STANDBY ⏻ button.

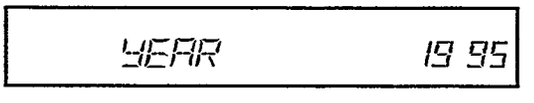
Setting the clock and date on the video recorder

In order to be able to programme recordings, you must first ensure that the video recorder clock is correctly set. To do this, use the + or − button or the digit buttons 0-9 on the remote control in all the following steps.

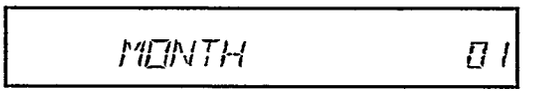
❶ Press the SET CLOCK button on the video recorder. 'TIME' will appear in the video recorder display. Set the current time.



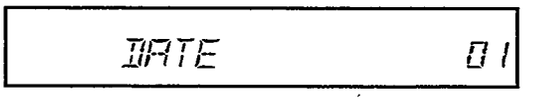
❷ Press the SET CLOCK button. 'YEAR' will appear in the display. Set the current year.



❸ Press the SET CLOCK button again. 'MONTH' will appear in the display. Set the current month.



❹ Press the SET CLOCK button again. 'DATE' will appear in the display. Set today's date.



❺ Press the SET CLOCK button again. The time and date have now been set.

3. STORING TV CHANNELS

For the video recorder to be able to record TV programmes you must first store the TV channels (e.g.: 'BBC 1') in the video recorder.
Please note that the programme sequence for the first four TV channels is as follows: BBC 1 = P 01, BBC 2 = P 02, ITV = P 03, CH 4 = P 04.
You can store up to 42 TV channels.
Your video recorder has its own receiver. This means that it can be used independently of the TV set.

A tip: Store the programme numbers in the same sequence as on your TV set. Make a list before you start.

Automatic Channel Search

❶ Switch on the TV set and select the programme number for the video recorder.

❷ Switch on the video recorder with the STOP / EJECT ■ ▲ button.

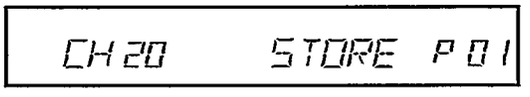
❸ Press the SEARCH button. Use a ballpoint pen (or something similar with a sharp point) to do this.

When the automatic channel search finds a TV channel, its picture will appear on the TV screen. 'STORE' appears in the display.

Note:
* Have you used a scart cable to connect the video recorder to your TV set and does your TV set respond to the switch-over with the MONITOR button (remote control)? If so, you can switch to and fro between TV reception and video recorder reception. This is the easiest way for you to assign the same TV channels to the same programme numbers on both appliances.

If this is not the required TV channel, or if the picture quality is poor, press the SEARCH button again. The video recorder then searches for the next TV channel.

❹ The video recorder will propose a programme number with which the TV channel can be stored (e.g. 'P 01' in the diagram).
If you wish to store it under another programme number, press the ▲ or ▼ button to change the number.



In addition, the channel number will also be shown.

❺ If the programme number is correct, store it by pressing the STORE button.

❻ Repeat steps ❸ to ❺ until you have stored all the required TV channels.

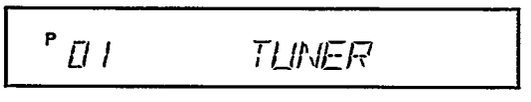
Note:
* Unused (free) programme numbers cannot be selected.
* If you want to fine tune the automatic TV channel setting (step ❹), press the TRACKING ▶▶| button. Now you can use the +/- function to vary from the standard value '0' within a range of +4 to -4. Press TRACKING ▶▶| button again.
Important: Such fine re-tuning is only necessary and useful in **special cases**, e.g. when there are stripes on the picture in cable-TV systems. However, the picture and sound quality may deteriorate.

Manual channel search

In certain cases the Automatic Channel Search may not be able to find all of the TV channels (e.g. coded TV channels). You can then use this manual method to set the channels.

❶ Switch on the TV set and select the programme number for the video recorder.

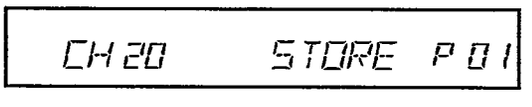
❷ Press the TUNER button on the remote control.



❸ Press the STORE button on the video recorder **for more than five seconds.**

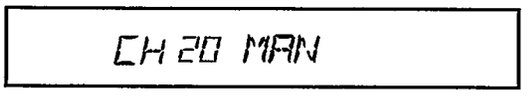
❹ Hold down the − or + button on the remote control until you have found the right TV channel. A changing channel number will appear in the display. If you know the channel number for a TV channel, you can **also** enter it **directly** using the digit buttons 0-9.

❺ Press the STORE button.



❻ Use the ▼ or ▲ button on your video recorder to select the programme number that you wish to allocate to this TV channel.

❼ Press the STORE button. The TV channel is now stored.



❽ Repeat steps ❹ to ❼ until you have stored all of the TV channels.

❾ Switch the video recorder to standby by pressing the STANDBY ⏻ button.

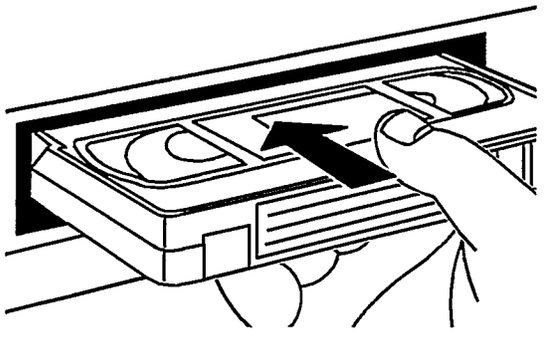
4. PLAYING A RECORDED CASSETTE

In Chapter 2 you connected the video recorder to the TV set. Playing a cassette is now very simple.
If you want to record something straight away, first read Chapter 5.

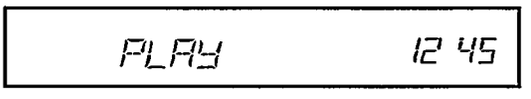
❶ Switch on the TV set.

Many TV sets **switch automatically** to the programme number for the video recorder when a cassette is played back.
However, this only works if the video recorder is connected to the TV set with a scart cable. Otherwise select the programme number on the TV set which you have earmarked for video playback.

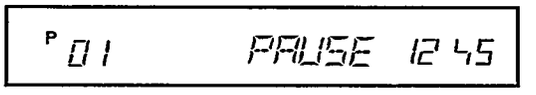
❷ Insert the cassette into the cassette slot with the label facing towards you. The window must be facing upwards.
When you insert a cassette the set is switched on automatically.



❸ Press the PLAY► button.
'PLAY' will appear in the display.



❹ If you wish to interrupt playback, press the STOP / EJECT ■ ▲ button on the set or the remote control.
'PAUSE' will appear in the display.

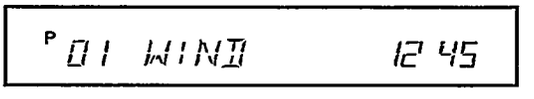


❺ If you wish to remove the cassette, press the STOP / EJECT ■ ▲ button.

Note:
* Each time a cassette is loaded or removed the video recorder automatically cleans the video heads. In this way the best playback quality is maintained.
* Some functions switch off automatically after a while (e.g.: Pause, Sill Picture, Scanning). This helps to protect the cassette and prevent unnecessary power consumption.

Fast wind and rewind

❶ Stop the tape. Press the ◁◀ SPEED (Rewind) or SPEED ▶▷ (Wind) button. The tape is wound at high speed.



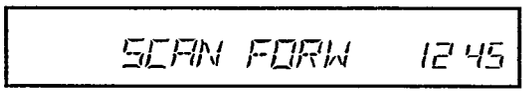
❷ Press the STOP / EJECT ■ ▲ button as soon as you have reached the required position on the tape.

Picture scanning

You can select from various speeds for scanning backwards or forwards.

❶ Press the PLAY► button.

❷ Now press the ◄◄ SPEED or SPEED ►► button as often as necessary until you have reached the desired speed.
The display will show: 'SCAN REV' , 'REVERSE' or 'SCAN FORW' .



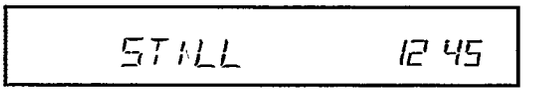
❸ Press the PLAY► button once you have found the desired position on the tape.

Note:
* The picture quality is affected during scanning. You will notice this particularly with long play (LP) recordings. The sound is turned off. However, this does not mean that there is a malfunction.

Still picture

❶ Press the PLAY► button on the remote control.

❷ Press the STILL ►|◄ button. The picture will stand still.
Interference stripes will appear at the edge of the picture. These are not an indication of a malfunction.
Each time you press STILL ►|◄ again the picture will move on one step.



❸ Press the PLAY► button to continue playing back at the normal speed.

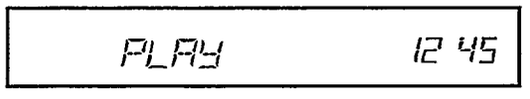
Special note:
* If the still picture vibrates vertically, keep pressing the TRACKING ▶◀ button until the vibration is minimal.
If you pass the optimum setting, repeat this step with the TRACKING ▶◀ button.
You only need to find the optimum setting once as the video recorder will store it automatically.
Please note, however, that interference may still occur with poor quality cassettes.

Tape position. How do I know where I am on the tape?

It is handy to know how long a tape has been playing.

The tape position is shown in the display as a continually changing numeric indication during Wind, Rewind, Record, Playback and Pause/Stop.

If you want to set the indicator to '0000', press the CLEAR button.
When you load a cassette again or rewind to the start of the tape, the indicator is automatically reset to '0000'.



How do I eliminate picture interference?

Every time a cassette is loaded the video recorder will **automatically** set the correct tracking position.
For recordings made on **another** set you may be able to improve on the automatic setting as follows:

1. Press the PLAY► button on your remote control.
2. Press the TRACKING ▶◀ button on your remote control.

3. Press the + or − button until the playback quality is at its best.
4. Press the PLAY► button. This setting will remain until you remove the cassette.

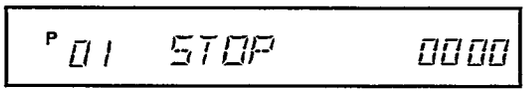
Note:
* Some hired cassettes may have a poor picture/sound quality. This is not a fault in your video recorder.

5. HOW DO I RECORD DIRECTLY?

The easiest way to record is to directly record a TV programme that is currently being transmitted.
And this is how to go about it:

❶ Insert a cassette. The video recorder will switch on automatically. You can also switch it on with the [STOP / EJECT ■ ▲] button.

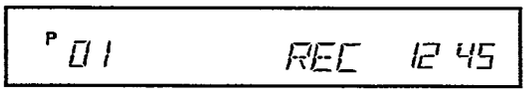
❷ Use the [▲] or [▼] button to select the programme number from which you wish to record, e.g. 'P 01' .



If you wish to record at a different speed (SP/LP), press the [SP/LP] button on your remote control. 'LP' appears in the display.

❸ When you wish to start recording, press the [RECORD●] button on your set.
If you use the remote control, press the [A] and [RECORD●] buttons **simultaneously**.
This protects against erroneous recording.

'REC' appears in the video recorder display.
The video recorder will record the required TV programme.



❹ To stop recording, press the [STOP / EJECT ■ ▲] button.

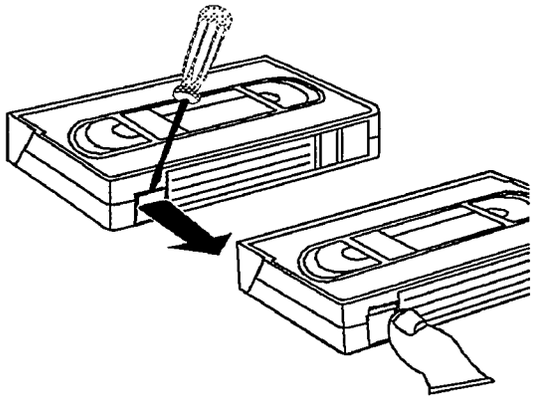
Can I switch off the TV set during recording?
Yes! Your video recorder has its own receiver which enables it to record TV programmes. This means that you can use the TV set independently of the video recorder whilst recording. You can switch it off and on or watch another TV channel without disturbing the recording.

Some general notes:
* Programme number E 1 is provided for recording from external sources (via the [EXT 1] scart socket).
* Have you started to record one TV programme and now want to switch to another TV channel to record a different TV programme? To do this, you have to interrupt the current recording by pressing the [STOP / EJECT ■ ▲] button. Now select the new programme number and start this recording by pressing the [RECORD●] button.
* If you have forgotten to load a cassette, the warning 'NO CASSETTE' will appear.
* If, when you want to make a recording, you have accidentally loaded a cassette with erase protection, the warning 'PROTECTED' will appear.
The cassette will be automatically ejected.
* If the end of the cassette is reached during recording, the cassette will be automatically ejected. The set will then switch to standby after a few minutes.
* When you make a new recording on a video cassette, it will automatically record over and delete any recordings already on the cassette.

Erase protection

So that you don't accidentally delete an important recording, you can remove the special tab (erase protection) on the narrow side of the cassette with a screwdriver.

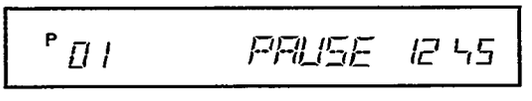
Later, if you no longer want the cassette to be erase protected, you can seal the gap again with adhesive tape.



Auto-assembling

You can use the auto-assembling function to join individual recordings without any annoying flickering between the recordings

❶ Press the PLAY► button. Search for the correct position on the tape and then stop the playback by pressing the STOP/ EJECT ■ ▲ button. 'PAUSE' will appear in the display.



❷ Now start recording as usual by pressing the RECORD● button.

Long play function

You can reduce the recording speed by half. This makes it possible to record, for example, 8 hours instead of 4 hours on an 'E240' cassette.

❶ **Before** recording, select the 'LP' (=Long Play) recording speed by pressing the SP/LP button. 'LP' will appear in the display.

❷ During playback the video recorder will automatically select the correct playback speed.

Note:
* You will obtain the best picture quality by recording at the standard speed ('SP').
* With the Long Play function, the picture and sound quality will deteriorate during Playback, Picture Scanning and Still Picture.

6. HOW DO I PROGRAMME A RECORDING?

In this chapter you will learn how to programme your video recorder. It switches itself on automatically, records the TV programme you want and then automatically switches itself off again.

What information does the video recorder need?

The video recorder needs the following information for every programmed recording:

* the date on which the recording is to be made
* the programme number for the TV channel
* the start time of the recording
* the stop time of the recording

If you use 'Programming with VIDEOplus+', you **only** need to enter the VIDEOplus+ code. All the information required by the video recorder is contained encoded in this code. With this set, 'VIDEOplus+ -numbers' will be allocated **automatically** .

The video recorder stores all the information necessary for a recording in what is known as a TIMER block. And it does that for up to one month in advance.

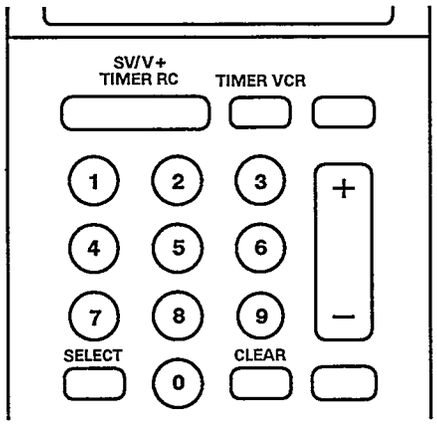
Your video recorder can store up to 4 of these TIMER blocks.
Please note that the timing of the TIMER blocks must not overlap. The video recorder must first finish one TIMER block before starting the next block.

Programming with VIDEOplus+

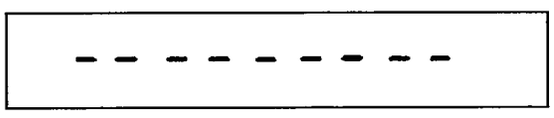
With this method the programming will be as easy as dialing a telephone number. You only have to enter the 'VIDEOplus+ code' (3 to 9 digits) printed in your TV guide next to the start time of a TV programme. Make sure that a cassette without erase protection has been loaded. Choose whether you want to use the display on the remote control or on the video recorder.

VIDEOPlus+™

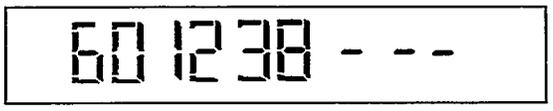
❶ If you want to use the display on the remote control, press the SV / V+ TIMER RC button.
For the display on the video recorder, press the TIMER VCR button.



The display shows a series of dashes.



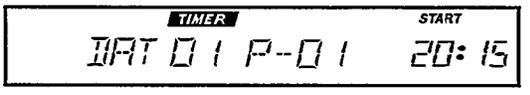
❷ Enter the entire VIDEOplus+ code with the digit buttons 0-9. This code (3 to 9 digits) is found next to the start time of a TV programme in your TV guide.
If you entered an incorrect code number, clear it with the CLEAR button.



❸ If you want to repeat programming at daily or weekly intervals, press the SELECT button once or twice. The display shows either a 'D' (= daily) or 'W' (= weekly). The 'daily' function can only be used for recordings to be made from Mondays to Fridays inclusive.

❹ Now point the remote control at the video recorder and press the same button as pressed in step ❶, i.e.: SV / V+ TIMER RC or TIMER VCR. The programmed data is now decoded. The data appears in the video recorder display. The time is shown in the 24 hour mode.
If the data is incorrect, clear it with the CLEAR button.

Note:
* If 'SELECT PROG' appears in the display, you must confirm the programme number (e.g. P 01) contained in the 'VIDEOplus+ code', by pressing the TIMER VCR button. For P 05 and above, select the correct programme number with the + or − button and press the TIMER VCR button. The video recorder stores this allocation (e.g.: CH 5 = P 05). From now on, it will use it for all VIDEOplus+ programming for this channel.



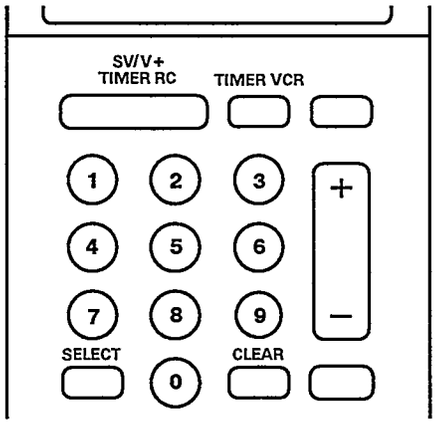
❺ Confirm the correct data with the TIMER VCR button.

❻ Switch off with the STANDBY ⏻ button.

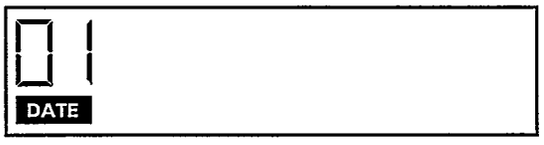
Note:
* Sometimes a TV programme takes more time than indicated in the TV guide. If you wish to set a later end time for a recording, press the TRACKING ▶ button in step ❹. The actual end time appears in the display. With each press on the TRACKING ▶ button you add 15 minutes to the time. Confirm with the TIMER VCR button.
* Do you want to use programme number 'E 1 ' in order to record from an external source (e.g. satellite tuner)? Confirm the data displayed in step ❹ with the TIMER VCR button.
* If 'CODE ERROR' appears in the display, the code was incorrect or incorrectly entered. Repeat the entry or end with the STANDBY ⏻ button.
* If 'SET CLOCK' appears in the display, the internal clock is not set. Set the clock.
* Daily programming can only be used for recordings to be made from Mondays to Fridays inclusive.
* With 'Daily/Weekly' programming, the first recording must take place within a week.

Programming on the remote control

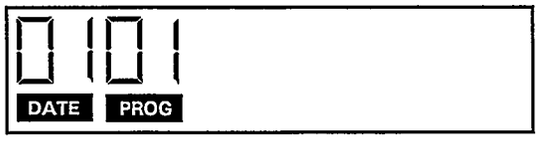
You can enter data in the remote control for **one** recording **at a time.**
The remote control display indicates all the programme steps. To enter the data, use the digit buttons [0-9], or the [+] or [–] button.
With the last button pressed, the programmed data is transferred to the video recorder. The data is stored in the video recorder in the next free TIMER block. Make sure that you have loaded a cassette without erase protection.



❶ Press the [SV / V+ TIMER RC] button **twice.**
The last data that you entered, e.g.:
'DATE 01' , appears in the remote control display.
Now enter the date of the recording.

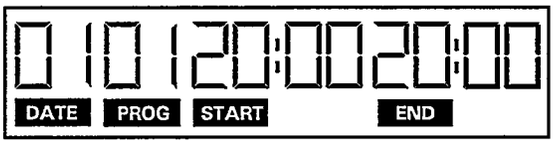


❷ Press the [SV / V+ TIMER RC] button. In the display appears, e.g.: 'PROG 01' .
Now enter the programme number from which you wish to record.



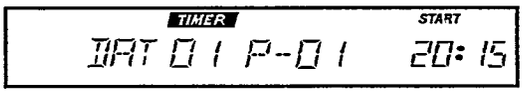
❸ Press the [SV / V+ TIMER RC] button once more. In the display appears, e.g.:
'START 20:00' .
Now enter the start time of the recording.

❹ Press the [SV / V+ TIMER RC] button. In the display appears: 'END 20:00' .
Now enter the end time of the recording.



❺ Transmit the data to the video recorder. To do this, point the remote control at the video recorder. Press the [SV / V+ TIMER RC] button.

The data is transmitted to the video recorder. Confirmation of the data that has just been entered (DAT =date, P =programme number) will appear in the video recorder display.



Programming is now complete.
The data has been stored in a TIMER block.

❻ If you want to enter more programmes, start again at step ❶. Your video recorder can store up to four programmes.

❼ Switch off with the [STANDBY ⏻] button.

The TIMER lamp lights up when one or more of the TIMER blocks are occupied.

General programming notes

- Press the [STANDBY ⏻] button on the remote control if you want to stop programming instead of transmitting the TIMER data in the remote control to the video recorder.
- The programmed recording will always be made at the recording speed (SP/LP) that **has already been** selected on the video recorder.
- TIMER recording will only function when the video recorder is **switched off.** If the video recorder is switched on before a programmed recording is due to take place, before the start, 'TIMER REC' will flash in the display.
- If the end of the cassette is reached during a programmed recording, the video recorder automatically ejects the cassette.
- If you forget to load a cassette before programming, 'NO CASSETTE' will appear in the video recorder display.
- If you insert a cassette with erase protection, after programming the recording, 'PROTECTED' will appear in the video recorder display for a few seconds.
  The cassette will then be ejected.
- If you have programmed all TIMER blocks, 'MEMORY FULL' will appear in the video recorder display.

How do I record from a satellite tuner?

You can also programme recordings from an external satellite tuner.

❶ Connect the tuner to the [EXT 1] socket.
Make sure that the tuner is switched on and that the correct SAT channel has been selected.

❷ Use one of the two available programming methods to programme a TIMER block. Use programme number 'E 1 ' in the programming procedure for this external recording source.

Note:
* If you use 'VIDEOplus+ programming' for such an 'external' satellite TV programme, the video recorder automatically selects 'E 1 '.
If 'SELECT PROG' message appears, confirm with the [TIMER VCR] button.

How do I stop a TIMER recording?

You cannot operate the set manually while a programmed recording is being made.
If you want to stop the programmed recording, press the [STANDBY ⏻] button.

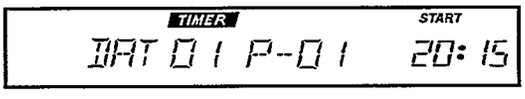
How do I check or correct a TIMER block?

❶ Press the TIMER VCR button on the remote control **twice** .

❷ Press the + or − button as often as necessary until the TIMER block you want to check or correct appears in the video recorder display.
The TIMER blocks will appear in chronological order on the display.

❸ Now press the TIMER VCR button repeatedly. One after another, the recording date, programme number, start time and end time will be shown for you to change as required.
At the 'DATE' step you can select from daily/weekly/date programming with the SELECT button.

❹ Finally, press the TIMER VCR button. If you have made any changes, the data will now be up to date. The checked/corrected TIMER block will appear briefly in the video recorder display.



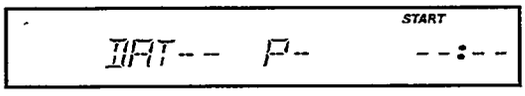
Note:
* 'Daily' programming can only be used for recordings to be made from Mondays to Fridays inclusive.
* With 'Daily/Weekly' programming, the first recording must take place within a week.

How do I clear a TIMER block?

❶ Press the TIMER VCR button on the remote control **twice** .

❷ Press the + or − button as often as necessary until the TIMER block you want to clear appears in the video recorder display.

❸ Press the CLEAR button. The TIMER block will be cleared. ' DAT --- P --- ' will appear in the video recorder display.



Note:
* If 'MEMORY FULL' is displayed after pressing TIMER VCR button, proceed with ❷ and ❸ .

7. SPECIAL FEATURES ON YOUR VIDEO RECORDER

Apart from the functions that have already been described, your set has other special functions and extras designed to make the use of your set as convenient as possible.
In this chapter you will find out more about them.

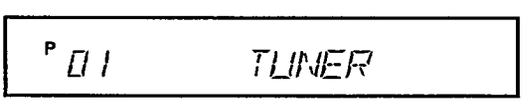
Tuner mode. Your video recorder as an extension of your TV set

You can also use your video recorder as a TV receiver (tuner). This is handy if your TV set does not have remote control or if it has fewer storage places for TV channels than the number of TV channels it could actually receive.

This is how you go about it:

❶ Switch on the TV set. Select the programme number you have earmarked for playback on the video recorder.

❷ Press the TUNER button on the remote control.
'TUNER' and a programme number will appear in the display.



❸ Choose the required programme number with the ▲ or ▼ button.

❹ Switch the video recorder off by pressing the STANDBY ⏻ button when you no longer want to watch television.

TV monitor function

Switch your TV set to the 'AV' programme number (**A**udio/**V**ideo input) by pressing the MONITOR button. This enables you to see the picture from the video recorder on the TV screen. Your video recorder must be switched on.
'VCR MONITOR' will appear in the display for a few seconds. Press the button again to switch the monitor function off again.

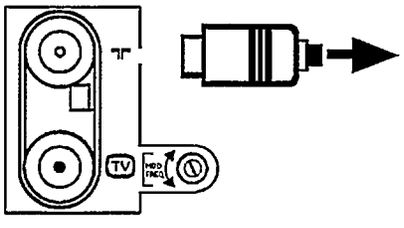
Note:
* The monitor function will respond **only** if your TV set also has this switch-over function and you are using a scart cable to connect your video recorder to the TV set.
* The monitor button does not respond during playback.

Playback via the aerial cable

If your TV set **does not have** a scart socket, the **aerial cable which is already connected** will act as the connection between your TV set and the video recorder.

❶ Switch on your TV set and select the programme number that you have earmarked for video playback. (You will find the instructions to do this in the operating manual for your TV set).

❷ Disconnect the aerial cable from the aerial socket ⊓ of the video recorder so that only the cable connection between the TV set and the video recorder remains.



❸ Make sure the video recorder is switched off and that there is no cassette in the cassette slot. Press the STOP/ EJECT ■ ▲ and PLAY► buttons on the video recorder simultaneously. The display language you have selected will appear in the display, e.g.: 'ENGLISH' .

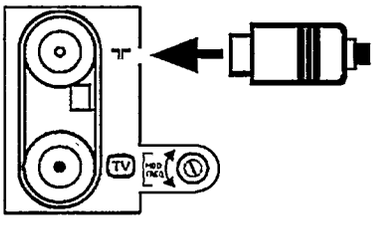
❹ Press the PLAY► button. The video recorder will now transmit a test picture which should be received by the TV set. 'TESTPICTURE' will appear in the display.

❺ Tune in the TV set in the UHF wave band until this test picture appears. The video recorder is tuned to UHF channel 36 in our factory.

In order to find out how to tune to the right channel and to store this on your TV set, please consult the operating manual for your TV set.

Note:
* Check the sound and picture quality of reception on your TV set next time you play back from the video recorder. If necessary you can improve the picture, colour and sound by adjusting the channel on your TV set.

❻ Plug the aerial cable back into the aerial socket ⊓. You have now tuned your TV set to the video recorder.



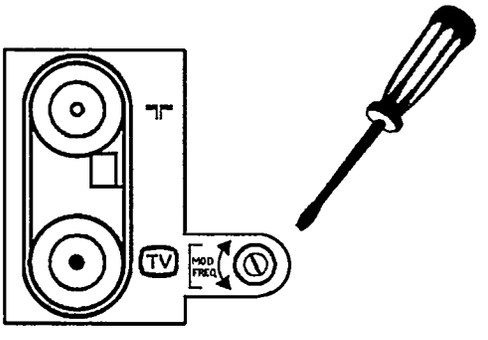
Information: Your video recorder occupies UHF channel 36. However, this channel might already be occupied by another TV station in your reception area.
In this case you will find that the picture quality on your TV set will be poor when receiving one or more TV channels.

If this happens, follow these steps:

❼ Check that the quality of reception on all the TV channels stored in the TV set remains unchanged.

❽ If the picture quality of one or more TV channels has deteriorated, switch off the video recorder. Check all the TV channels on your TV set once again.

❾ If the picture quality only deteriorates when the video recorder is switched on, adjust the channel control [MOD. FREQ.] at the back of the video recorder by less than a quarter-turn with a small screwdriver.



❿ Re-tune the TV set to the video recorder (steps ❷ to ❻) until the test picture re-appears.

⓫ Check all the TV channels on your TV set again. Repeat the channel adjustment [MOD. FREQ.] (steps ❾ and ❿) until the picture quality is the same whether the video recorder is on or off.

⓬ Switch off the video recorder with the [STANDBY ⏻] button.

Note:
* If you have not yet set the time/date as described in Chapter 2, 'INSTALLATION', turn to that chapter to do so.

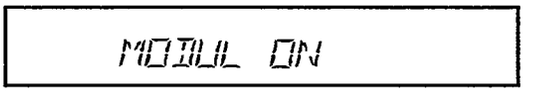
Switching the built-in modulator on or off

In the last section we talked about interference that could occur on the television. If you **cannot eliminate** picture or sound interference using the above method you can switch off the built-in modulator.
You can only do this if you have connected the video recorder to the TV set using a scart cable.

❶ Press the [STOP / EJECT ■ ▲] and [PLAY ▶] buttons on the video recorder simultaneously.

❷ Press the [PLAY ▶] button.

❸ Press the [TRACKING ▶▶] button.The display will show: e.g.'MODUL ON' .



❹ Press the [TRACKING ▶▶] button for more than five seconds. You will switch to 'MODUL OFF' .
You can switch back again in the same way.

8. BEFORE YOU CALL AN ENGINEER

Problem	Possible cause
The set does not respond to any button being pressed	* No power supply * A programmed recording is currently being made * Technical disturbance: disconnect from the mains for 30 seconds, then re-connect. If this does not have any effect, you can: 1. Disconnect from mains. 2. Re-connect to mains **whilst holding down** the ◁◀ SPEED and SPEED ▶▷ buttons on the set. All stored data will be reset (cleared).
Cassette jammed	* Pull out the mains plug for a moment. Don't use force.
Remote control does not operate	* Batteries are exhausted * Interference from fluorescent lights or bright sunlight
No playback on video recorder	* No recording on the cassette * The VCR programme number on the TV set was incorrectly selected or incorrectly set * The connecting cable between the TV set and the video recorder has come loose * Modulator not in the 'ON' position
Poor playback from video recorder	* Use TRACKING ▶◀ with cassettes recorded on another set * Cassette badly worn or of poor quality * Channel control MOD. FREQ. or TV set not properly adjusted * Video heads dirty. Load - play briefly - remove a cassette several times. This activates the head cleaning function
Video recorder will not record	* TV channel not stored or wrongly selected * Cassette with erase protection has been loaded
Programmed recording does not function	* Time data wrongly programmed * Time/date not set properly * A cassette with erase protection has been loaded * Video recorder in Tuner Mode
Picture or sound interference on TV reception	* Turn to the Chapter 'Special Functions and Extras' and read the **Note** after step ❻ in the section 'Playback via the aerial cable' as well as the section 'Switching off the modulator' * Have your aerial checked

9. SAFETY INSTRUCTIONS/NOTES

Safety instructions

- Danger - high voltage in this appliance! Do not open! The set does not contain any parts that can be repaired by the user. As long as the set is connected to the mains there are parts of it still in operation. To switch off the set completely you must disconnect it from the mains.
- Please note that this equipment is designed for use with a 220-240 volts/50 Hz power supply.
- Ensure that air can circulate freely through the ventilation slots of the set. Do not place the set on soft surfaces.
- Do not place the set close to a source of heat (radiator etc).
- Ensure that no objects or liquids enter the set. If liquid is spilt into it, disconnect the set immediately from the mains and call the After-Sales Service for advice.

Precautions

- The set should not be used immediately after transportation from a cold to a hot area or vice versa, or in conditions of extreme humidity.
  After unpacking the set, it should be allowed to acclimatize for at least three hours before installation.
- Do not use the set in dusty places, near strong magnetic fields or where it may be subject to vibration.
- We recommend disconnecting the appliance from both the mains and the aerial during heavy thunderstorms.
- Ensure that there is a vertical distance of at least 20 cm (8 ins) between the video recorder and the TV set.
- Do not put your fingers or any other foreign objects into the cassette slot as this could damage the mechanism. Particular care should be taken when children are present.

Notes

This video recorder employs the VHS cassette standard.
Only use cassettes of a well-known brand which display the VHS symbol. We recommend that you use PHILIPS VHS video cassettes to ensure the best possible picture quality from your video recorder.

VHS
PAL SECAM

These operating instructions have been printed on recycled paper. This is to help protect our environment.
Used remote control batteries should not be thrown away with ordinary domestic refuse. Deposit old batteries at the relevant collection points.
Please make use of the facilities available in your country for disposing of the packaging of the set in a way that helps to protect the environment.
This electronic equipment contains many materials that can be recycled. Please inquire about the possibilities for recycling your old set.

VIDEOplus+ and PlusCode are trademarks of Gemstar Development Corp..
VIDEOplus+ system is manufactured under licence from Gemstar Development Corporation.

VIDEOPlus+

10. TECHNICAL DATA, ACCESSORIES

Technical Data

- Mains voltage 220 to 240 V
- Mains frequency 48 - 52 Hz
- Power consumption typically 12.5 W (typically 9.5 W in standby)
- Ambient temperature during operation +10°C to +35°C
- Relative humidity 20% to 80%
- Position for use max. 15° inclination on all sides
- Dimensions 380 x 338 x 86 mm (incl. feet)
- Weight approx. 4.6 kg
- Video resolution ≥ 240 lines
- Audio (SP) 80 Hz - 10 KHz (≤ 8 dB)
- Back-up power supply: TV channel storage - typically 1 year, Clock/Timer - typically 10 seconds
- This product complies with the requirements of the directive 89/336/EEC.

List of accessories

- Operating instructions
- Remote control and batteries
- Aerial cable
- Mains cable

In order to facilitate the identification of your set in case of theft, enter the serial number (SER.NR.) in the diagram. The serial number is printed on the type plate fixed at the rear of the set. All enquires can be handled more efficiently if accompanied by the identity card shown. This is provided for your reference and should be kept in a safe place.

TYPE	**VR 157**
WD xx	**SER.NR. . . . . .**

VR 157

INTERFERENCE

The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and FTC programmes where these are being spoilt by interference.
If your dealer cannot help, ask at a Main Post Office for the booklet 'How to Improve Television and Radio Reception'.

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